

Application No. 10/606168
Page 2

Amendment
Attorney Docket No. S63.2B-10968-US01

Amendments To The Claims:

1. (Previously presented) A stent comprising:
a plurality of serpentine circumferential bands, each serpentine circumferential band having a proximal end portion, a distal end portion, a plurality of proximal turns at said proximal end portion and a plurality of distal turns at said distal end portion; and
a plurality of connector columns, each connector column located between two adjacent serpentine circumferential bands, each connector column comprising a plurality of connector struts including a first type of connector strut and a second type of connector strut, each connector strut coupled at a first end to a serpentine circumferential band and coupled at a second end to another serpentine circumferential band, wherein the second type of connector strut spans a greater circumferential distance than the first type of connector strut, wherein the first end of at least one second type of connector strut is circumferentially offset from the second end;
wherein the number of proximal turns in a serpentine circumferential band is a multiple of 3, and wherein the number of connector struts in a connector column is a multiple of 2, and wherein the number of connector struts in a connector column is less than the number of proximal turns in an adjacent serpentine circumferential band.
2. (Withdrawn) The stent as recited in claim 1, wherein the proximal turns of adjacent serpentine circumferential bands are longitudinally offset from one another.
3. (Withdrawn) The stent as recited in claim 2, wherein adjacent serpentine circumferential bands reverse orientation with respect to each other.
4. (Original) The stent as recited in claim 1, wherein the connector struts of adjacent connector columns are angularly aligned with one another.
5. (Withdrawn) The stent as recited in claim 1, wherein the connector struts of adjacent connector columns are longitudinally offset from one another.
6. (Original) The stent as recited in claim 1, wherein the number of distal turns in a serpentine circumferential band is a multiple of 3.
- 7-8. (Cancelled)
9. (Previously presented) A stent comprising:
a plurality of serpentine circumferential bands, each serpentine circumferential band having a proximal end portion, a distal end portion, a plurality of proximal turns at said proximal end portion and a plurality of distal turns at said distal end portion; and
a plurality of connector columns, each connector column located between two adjacent serpentine circumferential bands, each connector column comprising a plurality of connector struts including a first type of connector strut and a second type of connector strut, each connector strut coupled at a first end to a serpentine circumferential band and coupled at a second end to another serpentine circumferential band, wherein the first end of at least one second type of connector strut is circumferentially offset from the second end;

Application No. 10/606168
Page 3

Amendment
Attorney Docket No. S63.2B-10968-US01

wherein the number of proximal turns in a serpentine circumferential band is a multiple of 3, and wherein the number of connector struts in a connector column is a multiple of 2, and wherein the number of connector struts in a connector column is less than the number of proximal turns in an adjacent serpentine circumferential band;

wherein the first type of connector strut provides the stent with greater axial strength than the second type of connector strut.

10. (Withdrawn – currently amended) The stent as recited in claim ~~[[7]]~~ 1, wherein each serpentine circumferential band proximal turn comprises an upper portion and a lower portion; and wherein each serpentine circumferential band distal turn comprises an upper portion and a lower portion;

wherein the first type of connector strut is coupled at the first end to a distal turn upper portion of one serpentine circumferential band, and coupled at the second end to a proximal turn lower portion of another serpentine circumferential band.

11. (Withdrawn) The stent as recited in claim 10, wherein the second type of connector strut is coupled at the first end to a distal turn upper portion of one serpentine circumferential band, and coupled at the second end to a proximal turn lower portion of another serpentine circumferential band.

12. (Withdrawn) The stent as recited in claim 10, wherein the second type of connector strut is coupled at the first end to a distal turn lower portion of one serpentine circumferential band, and coupled at the second end to a proximal turn upper portion of another serpentine circumferential band.

13. (Withdrawn – currently amended) The stent as recited in claim ~~[[7]]~~ 1, wherein each serpentine circumferential band proximal turn comprises an upper portion and a lower portion; and wherein each serpentine circumferential band distal turn comprises an upper portion and a lower portion;

wherein the first type of connector strut is coupled at the first end to a distal turn lower portion of one serpentine circumferential band, and coupled at the second end to a proximal turn upper portion of another serpentine circumferential band.

14. (Withdrawn) The stent as recited in claim 13, wherein the second type of connector strut is coupled at the first end to a distal turn lower portion of one serpentine circumferential band, and coupled at the second end to a proximal turn upper portion of another serpentine circumferential band.

15. (Withdrawn – currently amended) The stent as recited in claim ~~[[7]]~~ 1, wherein each serpentine circumferential band proximal turn comprises an upper portion and a lower portion; and wherein each serpentine circumferential band distal turn comprises an upper portion and a lower portion;

wherein the first type of connector strut is coupled at the first end to a distal turn upper portion of one serpentine circumferential band, and coupled at the second end to a proximal turn upper portion of another serpentine circumferential band.

Application No. 10/606168
Page 4

Amendment
Attorney Docket No. S63.2B-10968-US01

16. (Withdrawn – currently amended) The stent as recited in claim ~~[[7]]~~ 1, wherein each serpentine circumferential band proximal turn comprises an upper portion and a lower portion; and wherein each serpentine circumferential band distal turn comprises an upper portion and a lower portion;

wherein the first type of connector strut is coupled at the first end to a distal turn lower portion of one serpentine circumferential band, and coupled at the second end to a proximal turn lower portion of another serpentine circumferential band.

17. (Currently amended) A stent comprising:

a plurality of serpentine circumferential bands, each serpentine circumferential band having a proximal end portion, a distal end portion, a plurality of proximal turns at said proximal end portion and a plurality of distal turns at said distal end portion; and

a plurality of connector columns, each connector column located between two adjacent serpentine circumferential bands, each connector column comprising a plurality of connector struts including at least one first type of connector strut and at least one second type of connector strut, each connector strut coupled at a first end to a serpentine circumferential band and coupled at a second end to another serpentine circumferential band, wherein the first end of at least one second type of connector strut is circumferentially offset from the second end, wherein the second type of connector strut spans a greater circumferential distance than the first type of connector strut;

wherein the number of proximal turns in a serpentine circumferential band is a multiple of 3, and wherein the number of connector struts in a connector column is a multiple of 2.

18. (Withdrawn) The stent as recited in claim 17, wherein the proximal turns of adjacent serpentine circumferential bands are longitudinally offset from one another.

19. (Withdrawn) The stent as recited in claim 18, wherein adjacent serpentine circumferential bands reverse orientation with respect to one another.

20. (Original) The stent as recited in claim 17, wherein the first type of connector struts of adjacent connector columns are angularly aligned.

21. (Withdrawn) The stent as recited in claim 17, wherein the connector struts of adjacent connector columns are longitudinally offset from one another.

22. (Withdrawn) The stent as recited in claim 17, wherein a first type of connector strut is angularly aligned with the second type of connector strut of an adjacent connector column.

23. (Original) The stent as recited in claim 17, wherein the number of distal turns in a serpentine circumferential band is a multiple of 3.

24. (Cancelled)

25. (Original) The stent as recited in claim 17, wherein the first type of connector strut provides

Application No. 10/606168
Page 5

Amendment
Attorney Docket No. S63.2B-10968-US01

the stent with greater axial strength than the second type of connector strut.

26. (Withdrawn) The stent as recited in claim 17, wherein each serpentine circumferential band proximal turn comprises an upper portion and a lower portion; and wherein each serpentine circumferential band distal turn comprises an upper portion and a lower portion;

wherein the first type of connector strut is coupled at the first end to a distal turn upper portion of one serpentine circumferential band, and coupled at the second end to a proximal turn lower portion of another serpentine circumferential band.

27. (Withdrawn) The stent as recited in claim 26, wherein the second type of connector strut is coupled at the first end to a distal turn upper portion of one serpentine circumferential band, and coupled at the second end to a proximal turn lower portion of another serpentine circumferential band.

28. (Withdrawn) The stent as recited in claim 26, wherein the second type of connector strut is coupled at the first end to a distal turn lower portion of one serpentine circumferential band, and coupled at the second end to a proximal turn upper portion of another serpentine circumferential band.

29. (Withdrawn) The stent as recited in claim 17, wherein each serpentine circumferential band proximal turn comprises an upper portion and a lower portion; and wherein each serpentine circumferential band distal turn comprises an upper portion and a lower portion;

wherein the first type of connector strut is coupled at the first end to a distal turn lower portion of one serpentine circumferential band, and coupled at the second end to a proximal turn upper portion of another serpentine circumferential band.

30. (Withdrawn) The stent as recited in claim 29, wherein the second type of connector strut is coupled at the first end to a distal turn lower portion of one serpentine circumferential band, and coupled at the second end to a proximal turn upper portion of another serpentine circumferential band.

31. (Withdrawn) The stent as recited in claim 17, wherein each serpentine circumferential band proximal turn comprises an upper portion and a lower portion; and wherein each serpentine circumferential band distal turn comprises an upper portion and a lower portion; wherein the first type of connector strut is coupled at the first end to a distal turn upper portion of one serpentine circumferential band, and coupled at the second end to a proximal turn upper portion of another serpentine circumferential band.

32. (Withdrawn) The stent as recited in claim 17, wherein each serpentine circumferential band proximal turn comprises an upper portion and a lower portion; and wherein each serpentine circumferential band distal turn comprises an upper portion and a lower portion; wherein the first type of connector strut is coupled at the first end to a distal turn lower portion of one serpentine circumferential band, and coupled at the second end to a proximal turn lower portion of another serpentine circumferential band.

Application No. 10/606168
Page 6

Amendment
Attorney Docket No. S63.2B-10968-US01

33. (Original) The stent as recited in claim 17, wherein the number of connector struts in a connector column is less than the number of proximal turns in an adjacent serpentine circumferential band.

34-42. (Cancelled)